BRUHAT BENGALURU MAHANAGARA PALIKE

Name of the Work :- Removal of silt & Repairs and maintenance of footpaths in ward no-01 Kempegowda.

Sl No	Description of work	No	Detailed Estimate Dimensions L	B	D	Quantity	Estimate Cost Rs. 55,00,000.00 Rate	Unit	Amount
	Ward No-01 KEMPEGOWDA RAOD DETAILS								
	Total No. of Road				No	732			
	Total Length of Road				Mtrs	115357.22			
	Total Length of Asphalt Road				Mtrs	74926.90			
	Total Length of Cement Concrete Road				Mtrs	24541.00			
	Total Length of Drain				Mtrs	24866.98			
	Total Length of Footpath				Mtrs	14920.19			
1	Supply of **Unskilled Mazdoor Heavy Labours** As per orders of minimum wages Act KAE 02 LMW 2015 Dt: 06-01-2017 for emergency works SR 2023-24 [P. No-A-50, SL. No-IV, Vol-1, Zone-1]								
	(24 Days x 12 months x 7 Labours)					2016.00	643.40	Day	12,97,094.40
	Basic Rate=Rs 643.40								
2	Supply of **Skilled Mason or Brick layer Class-1**As per orders of minimum wages Act KAE 02 LMW 2015 Dt: 06-01-2017 for emergency works SR 2023-24 [P. No-A-49, SL. No-II-3, Vol -1, Zone-1]								
	(24 Days x 12 months x 1 Mason)					288.00	676.67	Day	1,94,880.96
	Basic Rate=Rs 676.67								
3	**Providing and laying 100mm thick pre-cast cover slabs** over drains &Rain pit of width not exceeding 800 mm using M20 concrete reinforcedwith Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00 kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Includingproviding holes in the Cover slabs wherever necessary for easy drainageof surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.SR 2023-24 (Pg no-176, Sl no-17.12, Vol 2)								
	Considering 0.5% of the total drain length		200.00	0.90		180.00			
						180.00	1020.80	Sqm	183744.00
	Basic Rate	928.00							
	Area Weightage @ 10%	92.80							
	Total	1020.80							
4	**Providing and fixing pre cast solid cement concrete kerb stones** made out of M20 witht top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing, including cost of all materials, labhour, hire charges of machinery, loading, unloading, lead and lift, trasportation etc., complete. as directed by the Engineer in Charge of the work(Approved Rate Analysis copy enclosed)								
	Considering 0.25% of total length of the drain		62.17			62.17	Mtr		
			62.17	0.45		138.15			
						139.00	557.70	Nos	77,520.30
	Data Rate	507.00							
	Area Weightage @ 10%	50.70							
	Total	557.70							
5	**Providing and laying 60mm thick factory made cement concrete paverblock** of approved shape and colour of M -30 grade made of C&D wasteby block making machine with vibratory compaction laid in requiredpattern and including over 50mm thick compacted bed of coarse sand,filling the joints with fine sand etc. all complete as per the direction ofEngineer-in-charge.SR 2023-24(pg,no-63, Sl. no 9.25, vol -2)								
	Considering 1% of the total footpath length		149.20	1.20		179.04			
						179.04	880.00	Sqm	1,57,557.15
	Basic Rate	800.00							
	Area Weightage @ 10%	80.00							
	Total	880.00							
7	**Lead for disposal of earth shall be payable at Carriage rates** (Lead & Lift) by mechanical means including loading and unloading up to 15kms								
	Desilting of drains / Silt or Soil deposits on the Road/Footpath / Debris from various sources in ward jurisdiction					1200.00			
						1200.00	221.32	Cum	2,65,584.00
	Loading and Unloading(P.No.5, I No.1.1.C, Vol 3)SR 2023-24	86.00							
	Cost of Haulage Case-1:Surface road at 5 t.km(P.No.5,I.No 1.4.D,Vol.3)t.kmx15KM(6x15x1.28=96/Sum)SR 2023-24	115.20							
	Basic Rate	201.20							
	Area Weightage @ 10%	20.12							
	Total	221.32							

8	**Providing and constructing un-reinforced plain cementconcrete pavement,** thickness as per design, over a preparedsub base, with 43 grade cement or any other type as perClause 1501.2.2 M20 (Grade), coarse and fine aggregatesconforming to IS 383 2016, maximum size of coarseaggregate not exceeding 25 mm, mixed in a concrete mixerof not less than 0 2 cum capacity and appropriate weighbatcher using approved mix design, laid in approved fixedside formwork (steel channel, laying and fixing of 125 micronthick polythene film, wedges, steel plates including levellingthe formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate (P.No 148, Sl.No 10.27, Vol.3)SR 2023-24								
	Considering 1 25% of the total cement concrete road length		270.00	5.00	0.10	135.00			
					Total	**135.00**	**7,011.40**	**Cum**	**9,46,539.00**
	Basic Rate	**6374.00**							
	Area Weightage @ 10%	**637.40**							
	Total	**7011.40**							
9	Supply of Material component **Bitumen (emulsion) Rapid Setting RS1*** for all road works. [P. No-A-10, SL. No-23, Vol-3] SR 2023-24								
						2.00	**47,520.00**	**t**	**95,040.00**
	Basic Rate	**43200.00**							
	Area Weightage @ 10%	**4320.00**							
	Total	**47520.00**							
	Supply of **Hydraulic Excavator of 0.9 m3 bucket** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-44, Sl No.49, Vol 1] SR 2023-24								
	(3 days x 5 hours x 12 months)					**180.00**	**1,485.00**	**Hr**	**2,67,300.00**
	Basic Rate	**1350.00**							
	Area Weightage @ 10%	**135.00**							
	Total	**1485.00**							
11	Supply of **Tipper-5.5 m3** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-47, Sl No.126, Vol 1] SR 2023-24								
	(4 days x 8 hours x 12 months)					**384.00**	**1,553.20**	**Hr**	**5,96,428.80**
	Basic Rate	**1412.00**							
	Area Weightage @ 10%	**141.20**							
	Total	**1553.20**							
12	Supply of Material component **M-Sand - Fine** for all road works. [P. No-A-40, SL. No- 64, Vol-1] SR 2023-24								
						150.00	**1,623.60**	**Cum**	**2,43,540.00**
	Basic Rate	**1476.00**							
	Area Weightage @ 10%	**147.60**							
	Total	**1623.60**							
13	Supply of Material component **Granular Aggregates of 12mm downsize** for all road works. [P. No-A-38, SL. No- 3, Vol-1] SR 2023-24								
						100.00	**1,466.30**	**Cum**	**1,46,630.00**
	Basic Rate	**1333.00**							
	Area Weightage @ 10%	**133.30**							
	Total	**1466.30**							
14	Supply of Material component **Granular Aggregates of 20mm downsize** for all road works. [P. No-A-38, SL. No- 4, Vol-1] SR 2023-24								
						100.00	**1,466.30**	**Cum**	**1,46,630.00**
	Basic Rate	**1333.00**							
	Area Weightage @ 10%	**133.30**							
	Total	**1466.30**							
15	Supply of Material component **Granular Aggregates of 40mm downsize** for all road works. [P. No-A-38, SL. No- 7, Vol-1] SR 2023-24								
						100.00	**1,309.00**	**Cum**	**1,30,900.00**
	Basic Rate	**1190.00**							
	Area Weightage @ 10%	**119.00**							
	Total	**1309.00**							
16	Supply of Material component **Cement (OPC/PPC/PSC)** for all road works. [P. No-A-39, SL. No- 31, Vol-1] SR 2023-24								
						450.00	**322.30**	**Bag**	**1,45,035.00**
	Basic Rate	**293.00**							
	Area Weightage @ 10%	**29.30**							
	Total	**322.30**							
17	**Provision for tool - Equipments (Masonry Trowel, Head Pan, Digging Bar, Hammer, Tamper, Hand Gloves, Rubber Boots, etc.,)**							**LS**	**25,000.00**

Sub Total Amount Rs.	49,19,423.61
Add GST @ 28% for Cement	40,609.80
Add GST @ 18% Rs.	5,38,220.39
Miscellaneous and unforeseen charges etc.L.S	1,746.20
TOTAL AMOUNT	55,00,000.00

Assistant Engineer
Ward No 01

Assistant Executive Engineer
Yelahanka Sub Division

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. 55.00 Lakhs,
Rupees Fifty Five lakhs Only
is accorded under head P-3726
Registered as CE No. 13 Subject to conditions contained in enclosed memo No BBMP/EE/YNK0/AS/13/23-24 Dt. 8/12/2023

Executive Engineer

Technical Sanction
Accorded For 55.00 Lakhs
Head of A/C P-3726
CER NO : 38 11/12/2023

T.A.